

a case defining an outer appearance of said mobile radio, said case being formed in accordance with a shape of said built-in antenna, wherein

said built-in antenna is provided with a supply portion at an upper end thereof when said mobile radio is in a standing position, and is disposed so that a space between said built-in antenna and said base plate decreases from said upper end to a lower end,

- said built-in antenna is an antenna of a planar configuration, and is slanted so that the space between said built-in antenna and said base plate is larger at said upper end than at said lower end, and

said case is formed smoothly in accordance with the slant of said built-in antenna.

3. (Amended) A mobile radio having an antenna equipped for receiving and transmitting radio waves, said mobile radio comprising:

a base plate for providing a ground level;

a built-in antenna which is disposed on said base plate; and

a case defining an outer appearance of said mobile radio, said case being formed in accordance with a shape of said built-in antenna, wherein

said built-in antenna is provided with a supply portion at an upper end thereof when said mobile radio is in a standing position, and is disposed so that a space between said built-in antenna and said base plate decreases from said upper end to a lower end,

- said built-in antenna comprises a plurality of planes, and the plurality of planes are structured as steps so that the space between said built-in antenna and said base plate is larger at said upper end than at said lower end, and

said case is formed so as to have a smooth envelope accommodating corners of said plurality of planes of said built-in antenna.

4. (Amended) The mobile radio according to claim 2, wherein

said built-in antenna is a planar inverted F antenna including an antenna element, a supply connection member to which a predetermined voltage is supplied, and a short-circuiting

connection member which is grounded to said base plate, and said supply connection member and said short-circuiting connection member are disposed on said upper end.

5. (Amended) The mobile radio according to claim 3, wherein

said built-in antenna is a planar inverted F antenna including an antenna element, a supply connection member to which a predetermined voltage is supplied, and a short-circuiting connection member which is grounded to said base plate, and said supply connection member and said short-circuiting connection member are disposed on said upper end.

6. (Amended) The mobile radio according to claim 2, further comprising
a shield provided between said built-in antenna and said base plate.

9. (Amended) The mobile radio according to claim 2, wherein

said case comprises a first section which houses said built-in antenna, and a second section which is a remainder of said case, and said built-in antenna is previously attached to the first section.

10. (Amended) A mobile radio having an antenna equipped for receiving and transmitting radio waves, said mobile radio comprising:

a base plate comprising an antenna-housing base plate and a circuit base plate; and

a built-in antenna disposed on said antenna-housing base plate, wherein

said antenna-housing base plate and said circuit base plate are not aligned on a same plane.

12. (Amended) The mobile radio according to claim 2, wherein

said base plate comprises an antenna-housing base plate on which said built-in antenna is disposed, and a circuit base plate which is a remainder of said base plate, and

said antenna-housing base plate and said circuit base plate are not aligned on a same plane.

13. (Amended) The mobile radio according to claim 3, wherein
said base plate comprises an antenna-housing base plate on which said built-in antenna is
disposed, and a circuit base plate which is a remainder of said base plate, and
said antenna-housing base plate and said circuit base plate are not aligned on a same plane.

14. (Amended) The mobile radio according to claim 12, wherein
said antenna-housing base plate and said circuit base plate are electrically connected to
each other via a side wall.

15. (Amended) The mobile radio according to claim 12, further comprising
a slit provided in a vicinity of a junction between said antenna-housing base plate and said
circuit base plate.

16. (Amended) The mobile radio according to claim 15, wherein
a length of said slit is a $1/4$ wavelength of any desired resonant frequency.

17. (Amended) The mobile radio according to claim 2, further comprising a dielectric
material, wherein
the space between said built-in antenna and said base plate is partially or entirely filled
with said dielectric material.

18. (Amended) The mobile radio according to claim 12, further comprising a dielectric
material, wherein
a space between said built-in antenna and said base plate is partially or entirely filled with
said dielectric material.

19. (Amended) The mobile radio according to claim 2, wherein
said built-in antenna resonates with at least two frequencies.

20. (Amended) The mobile radio according to claim 12, wherein said built-in antenna resonates with at least two frequencies.

21. (Amended) The mobile radio according to claim 19, wherein said built-in antenna includes short-circuiting connection members which are grounded to said base plate, and determine, respectively, a first resonant frequency band and a second resonant frequency band, and either of the first or second resonant frequency bands is selectively covered by controlling conduction for said short-circuiting connection members.

22. (Amended) The mobile radio according to claim 20, wherein said built-in antenna includes short-circuiting connection members which are grounded to said base plate, and determine, respectively, a first resonant frequency band and a second resonant frequency band, and either of the first or second resonant frequency bands is selectively covered by controlling conduction for the short-circuiting connection members.

23. (Amended) The mobile radio according to claim 19, wherein said built-in antenna includes an antenna element, a slot, and a short-circuiting connection member which is grounded to said base plate and said slot, and determine, respectively, a first resonant frequency band and a second resonant frequency band, and by an action of said antenna element and said slot, the first and second resonant frequency bands are covered at a same time.

24. (Amended) The mobile radio according to claim 20, wherein said built-in antenna includes an antenna element, a slot, and a short-circuiting connection member which is grounded to said base plate and said slot, and determine, respectively, a first resonant frequency band and a second resonant frequency band, and by an action of said antenna element and said slot, the first and second resonant frequency bands are covered at a same time.